



The figure displays sequence alignments for various PKC isoforms, including 113r\_PKCa, 1jlu\_AMPK, 17508705.w, 17508707.w, RSK3.h, 6677811.m, 13592065.m, 6755374.m, 20897181.m, 48437390.m, RSK1.h, 22507357.m, RSK2.h, 29789163.m, 31205767.i, 24643817.f, lmuo\_AUR1, and lomw\_GPRK2. The alignment covers the kinase domain, with positions 810 to 990 indicated at the top. A secondary alignment for positions 1010 to 1090 is shown below. Conserved amino acids are highlighted in green, while divergent or unique residues are highlighted in red. The alignment shows significant conservation of the kinase domain across all isoforms.